Plo	otted: Jun 13, 2013 - 9:51 F:\Upper Watts Bra	am User: jmccarthy inch Forest Preserve-COR\41-558	CAD\dwg\NRI-3-Outfalls.dwg
:: Rockville-NRI-titlebl CONDITIONS.dwg CONDITIONS.dwg d-Hatch-From-CG.dwg s.Map.dwg 12-Survey-04.22.13.dwg o.Slope.dwg	ROCKVILLE		

Forest Structure Analysis (at least one plot/stand) Understory Other Tree Species Property species leaf litter. Forest Stand Map Field Sampling Data Sheet ie: Upper Watts Branch - Princeton Place Ta, John McCarthy forest. Fair of woody debris and deep layer of deco

Understory

species

Other

Forest Structure Analysis

(at least one plot/stand)

% Canopy Coverage 90% Wherbaceous Ground Cover 50%	Basal Area: 100 Number of Dead Trees per Plot: 0 Comments: Abundance of woody debris.	(3-5 most commonly occurring): Burning Bush American Beech Japanese Honeysuckle Bush	Number of Trees Per Size Class Species 2-5.9" dbh 6-9.9" dbh 10-17" dbh 18-29.9" dbh >30" dbh Tulip Poplar 0 0 0 3 4 0 Oaks 0 0 0 1 0 Hickory 1 2 0 0 0 American Beech 15 1 0 0 0 Total Number of Trees per class 16 3 3 5 0	Field Sampling Data Sheet Property Name: Upper Watts Branch - Azalea Drive Prepared by: Hoang Ta, John McCarthy Stand # (from Forest Stand Map): 2 Plot #: 1 Date of Survey: 04/17/2013
est Structure Analysis t least one plot/stand)	Other	Understory species	Tree Species	Property
% Canopy Coverage % Herbaceous Ground Cover % Downed Woody Debris % Invasive Plant Cover Number of Shrub Species (1/ Forest Structure Value: (Goo Comments: Mid to late su	Basal Area: Number of Dead Trees per P Comments:	Arrowwood American Beech	Species Tulip Poplar Oak American Beech Total Number of Trees per cla	Property Name: Uppo Prepared by: Hoang Ta, John Stand # (from Forest Stand Note: 1 Plot #: 1



Forest Edge Forest Interior

Forest Edge

Forest Interior

Adjacent

Property List



Aster Boulevard

Princeton Place

Azalea Drive

Property

Tree Species

ulevard] .	Forest Stand Summary	ummary	
Fie	Field Sampling Data Sheet	ino Data	Shoot					Princeton Place 1.64 Acres (extends off)	
perty Name: Upper Watts Branch - Aster Boulevard	Branch - A	ster Boulev	vard			Don	Dominant Tree Species	Tulip Poplar, American Beech	
ared by: Hoang Ta, John McCarthy						Size	Size Class of Dominant Tree	18" - 29" DBH	
d # (from Forest Stand Map): 3						# of	# of Trees Species/Plot	2	
#: 1						List	List of Common	Spicebush, Bush	
of Survey: 04/17/2013						Z G	Number of Understory	,	
N	Number of Trees Per Size Class	es Per Size	Class			Spe	Species per 1/100 acre plot	ပ	1
ies	2-5.9" dbh	6-9.9" dbh 10-17" dbh	10-17" dbh	18-29.9" dbh >30" dbh	>30" dbh	Perc	Percent Canopy Coverage	90%	
p Poplar	0	0	2	3		0 Perce	Percent Herbaceous Cover	5%	
	0		3			0 Perd	Percent Downed Woody Material	5%	
erican Beech	18	4	U			Perc	Percent Exotic Invasive Species	2%	
						Fore	Forest Notes		
l Number of Trees per class	18	. 4	5	3		0			

Burning Bush, American Beech

Arrowwood, American Beech

Azalea Drive
0.81 Acres (extends off)
Tulip Poplar,
American Beech
18" - 29" DBH

Aster Boulevard

1.06 Acres (extends off)
Tulip Poplar,
American Beech
18" - 29" DBH

90% 5% 8%

90% 10% 5% 2%

Princeton Place

The forest is a mid-succession forest with Tulip Poplar and American Beech recorded as dominant tree species. The majority of trees are in good health, except those located along the outfall stream channel top of bank. These trees were severely undercut due to erosion. Some trees have fallen in to the channel. The edge of forest species along Princeton Road includes a large swath of Bush Honeysuckle, Forsythia, and Honeysuckle Vines. This swath extends approximately 30' into the forest stand. This area contains an abundance of downed woody material and dumped woody landscape debris.

There is a minimal amount of non-native invasive species within the interior of the forest stand. Non native invasive species include Bush Honeysuckle, Honeysuckle Vine, English Ivy.

Azalea Drive

The edge of forest species at Azalea Drive includes landscape plants from surrounding properties. These include Azalea and Dogwood as well as some invasive species such as Bush Honeysuckle and Honeysuckle Vine. Large swaths of Spotted Deadnettle were recorded near the outfall spreading out into the surrounding forest.

Aster Boulevard

nts: Mid to late succession forest. Fair amount of woody debris and deep layer of posing leaf litter.

The forest is a mid-succession forest with Tulip Poplar and American Beech recorded as the dominant tree species. The majority of trees are in good health, except those located along the outfall stream channel top of bank. These trees are severely undercut due to erosion. Some trees have fallen in to the channel.

There is a minimal amount of non-native invasive species within the interior of the forest stand. Non native invasive species include Bush Honeysuckle, Honeysuckle Vine, Spotted Deadnettle & Burning Bush.

The ROW access from Aster Boulevard is planted with Azalea, Forsythia, Pachysandra and flowering tree species. Further into the forest Pachysandra and Narcissus were observed in large swaths spreading deep into the forest.

The forest is a mid-succession forest with Tulip Poplar, Oaks and American Beech recorded as the dominant tree species. The majority of trees are in good health, except those located along the outfall stream channel top of bank. These trees are severely undercut due to erosion. Some trees have fallen in to the channel.

Environmental Engineers & Scientists 4011 WestChase Blvd, Raleigh, North Carolina 27607 HAZEN AND SAWYER



INSPECTION
AND 20878

I hereby certify that this plan is prepared in accordance with The City of Rockville Forest Conservation Regulations.

JAM SOLUTION OF MARIAN OF

James M. Fetchu, RLA Registered Landscape Architect MD #3241

LANDSCAPE ARCHITECT CERTIFICATE:

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JOB NO.	DATE 06/13	SILVER SPRING, I	CPJ Enviro STREAM RESTOR 910 CLOPPER ROA Phone:(301)208-9:
SHOWN	SCALE	SILVER SPRING, MD FREDERICK, MD FAIRFAX, VA	nmental Se ATION • STORMW A AD SUITE 215N GA 573 E-mail: envoch
	DRAWING	iD FAIRFAX, VA	CPJ Environmental Services Division STREAM RESTORATION • STORMWATER MANAGEMENT • IN 910 CLOPPER ROAD SUITE 215N GAITHERSBURG MARYLA Phone:(301)208-9573 E-mail: envocpja.com Fax:(301) 926-455

DATE PROJECT COMPLETED
DATE ACCEPTED BY CITY
DATE TRANS. TO FINANCE
DEPT. W/R 9 FORM

DEPARTMENT OF PUBLIC WORK

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ROCKVILLE MARYLAND

UPPER WATTS BRANCH FOREST PRESERVE

Rockville, Maryland NRI/FSD
Title Sheet

SHOWN OF

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